

Conservation Practice Physical Effects Report		Select Practice:
		Drainage Water Management (ac)
	Resource Concern and Effect	Code: 554
Soil Erosion	Soil Erosion - Sheet and Rill (Effect)	Slight Decrease
	Soil Erosion - Wind (Effect)	Slight Decrease
	Soil Erosion - Ephemeral Gully (Effect)	Slight Decrease
	Soil Erosion - Classic Gully (Effect)	Slight Decrease
	Soil Erosion - Streambank (Effect)	Slight Decrease
	Soil Erosion - Shoreline (Effect)	No Effect
	Soil Erosion – Irrigation-induced (Effect)	Moderate Decrease
	Soil Erosion - Mass Movement (Effect)	Slight Decrease
	Soil Erosion – Road, road sides and Construction Sites (Effect)	No Effect
Soil Condition	Soil Condition - Organic Matter Depletion (Effect)	Moderate Decrease
	Soil Condition - Rangeland Site Stability (Effect)	Slight Decrease
	Soil Condition - Compaction (Effect)	Slight Decrease
	Soil Condition - Subsidence (Effect)	No Effect
	Soil Condition - Contaminants - Salts and Other Chemicals (Effect)	Moderate Decrease
	Soil Condition - Contaminants - Animal Waste and Other Organics - Nitrogen (Effect)	Moderate Decrease
	Soil Condition - Contaminants - Animal Waste and Other Organics - Phosphorus (Effect)	Moderate Decrease
	Soil Condition - Contaminants - Animal Waste and Other Organics - Potassium (Effect)	Moderate Decrease
	Soil Condition – Contaminants - Commercial Fertilizer - Nitrogen (Effect)	Moderate Decrease
	Soil Condition – Contaminants - Commercial Fertilizer - Phosphorus (Effect)	Moderate Decrease
	Soil Condition – Contaminants - Commercial Fertilizer - Potassium (Effect)	Moderate Decrease
	Soil Condition -Contaminants - Residual Pesticides (Effect)	Moderate Decrease
	Soil Condition - Damage from Sediment Deposition (Effect)	Slight Decrease
Water Quantity	Water Quantity - Rangeland Hydrologic Cycle (Effect)	Moderate Decrease
	Water Quantity - Excessive Seepage (Effect)	Substantial Decrease
	Water Quantity - Excessive Runoff, Flooding, or Ponding (Effect)	Moderate Decrease
	Water Quantity - Excessive Subsurface Water (Effect)	Moderate Decrease
	Water Quantity - Drifted Snow (Effect)	No Effect
	Water Quantity - Inadequate Outlets (Effect)	Moderate Decrease
	Water Quantity - Inefficient Water Use on Irrigated Land (Effect)	Moderate to Substantial Decrease
	Water Quantity - Inefficient Water Use on Non-irrigated Land (Effect)	Moderate to Substantial Decrease
	Water Quantity - Reduced Capacity of Conveyances by Sediment Deposition (Effect)	Slight Decrease
	Water Quantity -Reduced Storage of Water Bodies by Sediment Accumulation (Effect)	Slight Decrease
	Water Quantity - Aquifer Overdraft (Effect)	No Effect
	Water Quantity – Insufficient Flows in Water Courses (Effect)	No Effect
Water Quality	Water Quality - Harmful Levels of Pesticides in Groundwater (Effect)	Moderate Decrease
	Water Quality - Excessive Nutrients and Organics in Groundwater (Effect)	Moderate Decrease
	Water Quality - Excessive Salinity in Groundwater (Effect)	Moderate Decrease
	Water Quality - Harmful Levels of Heavy Metals in Groundwater (Effect)	Moderate Decrease
	Water Quality - Harmful Levels of Pathogens in Groundwater (Effect)	Moderate Decrease
	Water Quality - Harmful Levels of Petroleum in Groundwater (Effect)	Moderate Decrease
	Water Quality - Harmful Levels of Pesticides in Surface Water (Effect)	Slight Decrease
	Water Quality - Excessive Nutrients and Organics in Surface Water (Effect)	Slight Decrease

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	Water Quality - Excessive Suspended Sediment and Turbidity in Surface Water (Effect)	Slight Decrease
	Water Quality - Excessive Salinity in Surface Water (Effect)	Slight Decrease
	Water Quality - Harmful Levels of Heavy Metals in Surface Water (Effect)	Slight Decrease
	Water Quality - Harmful Temperatures of Surface Water (Effect)	Slight Decrease
	Water Quality - Harmful Levels of Pathogens in Surface Water (Effect)	Slight Decrease
	Water Quality - Harmful Levels of Petroleum in Surface Water (Effect)	Slight Decrease
Air Quality	Air Quality - Particulate matter less than 10 micrometers in diameter - PM 10 (Effect)	No Effect
	Air Quality - Particulate matter less than 2.5 micrometers in diameter - PM 2.5 (Effect)	No Effect
	Air Quality - Excessive Ozone (Effect)	No Effect
	Air Quality - Excessive Greenhouse Gas – CO2 - carbon dioxide (Effect)	No Effect
	Air Quality - Excessive Greenhouse Gas – N2O - nitrous oxide (Effect)	No Effect
	Air Quality - Excessive Greenhouse Gas – CH4 - methane (Effect)	No Effect
	Air Quality - NH3 - Ammonia (Effect)	No Effect
	Air Quality - Chemical Drift (Effect)	No Effect
	Air Quality - Objectionable Odors (Effect)	No Effect
	Air Quality - Reduced Visibility (Effect)	No Effect
	Air Quality - Undesirable Air Movement (Effect)	No Effect
	Air Quality - Adverse Air Temperature (Effect)	No Effect
Plant Condition	Plants not adapted or suited (Effect)	Moderate Decrease
	Plant Condition - Productivity, Health and Vigor (Effect)	Moderate to Substantial Decrease
	Plant Condition - Threatened or Endangered Plant Species: Plant Species Listed or Proposed for Listing Under the Endangered Species Act (Effect)	Moderate to Substantial Decrease
	Plant Condition - Threatened or Endangered Plant Species: Declining Species, Species of Concern (Effect)	Moderate to Substantial Decrease
	Plant Condition - Noxious and Invasive Plants (Effect)	Moderate to Substantial Decrease
	Plant Condition - Forage Quality and Palatability (Effect)	Moderate to Substantial Decrease
	Plant Condition - Wildfire Hazard (Effect)	No Effect
Fish and Wildlife	Fish and Wildlife - Inadequate Food (Effect)	No Effect
	Fish and Wildlife - Inadequate Cover/Shelter (Effect)	No Effect
	Fish and Wildlife - Inadequate Water (Effect)	Slight Decrease
	Fish and Wildlife - Inadequate Space (Effect)	No Effect
	Fish and Wildlife - Habitat Fragmentation (Effect)	Slight Decrease
	Fish and Wildlife - Imbalance Among and Within Populations (Effect)	Slight Decrease
	Fish and Wildlife - Threatened and Endangered Fish and Wildlife Species: Fish and Wildlife Species Listed or Proposed for Listing Under the Endangered Species Act (Effect)	Slight Decrease
	Fish and Wildlife - Threatened and Endangered Fish and Wildlife Species: Declining Species, Species of Concern (Effect)	Slight Decrease
Domestic Animals	Domestic Animals - Inadequate Quantities and Quality of Feed and Forage (Effect)	Moderate Decrease
	Domestic Animals - Inadequate Shelter (Effect)	No Effect
	Domestic Animals - Inadequate Stock Water (Effect)	Slight Decrease
	Domestic Animals - Stress and Mortality (Effect)	Slight Decrease